

RECEIVED

SEP 16 2004

OFFICE OF PETITIONS

DAC  
\$

PTO/SB/64a (11-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT ABANDONED  
FOR FAILURE TO NOTIFY THE OFFICE OF A FOREIGN OR INTERNATIONAL  
FILING (37 CFR 1.137(f))**

Docket Number (Optional)

010-42

First named inventor: John Santhoff et al.

Application No.: 09/603,310

Art Unit: 2665

Filed: 06/21/2000

Examiner: Thien D Tran

Title: WIRELESS TDMA SYSTEM AND METHOD FOR NETWORK COMMUNICATIONS

Attention: Office of Petitions

**Mail Stop Petition**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

FAX: (703) 872-9306

NOTE: If information or assistance is needed in completing this form, please contact Petitions  
Information at (703) 305-9282.

The above-identified application became abandoned pursuant to 35 U.S.C. 122(b)(2)(B)(iii) for failure to timely notify the Office of the filing of an application in a foreign country or under a multinational international treaty that requires publication of applications eighteen months after filing. The date of abandonment is the day after the expiration date of the forty-five (45) day period set in 35 U.S.C. 122(b)(2)(B)(iii).

PURSUANT TO 37 CFR 1.137(f), APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION  
UNDER 37 CFR 1.137(b)

1. Petition fee

☒ Small entity-fee \$ 665.00 (37 CFR 1.17(m)). Applicant claims small entity status. See 37 CFR 1.27.

☐ Other than small entity - fee \$ \_\_\_\_\_ (37 CFR 1.17(m))

2. Notice of Foreign or International Filing (35 U.S.C. 122(b)(2)(B)(iii) and 37 CFR 1.213(c))

Subsequent to the filing of the above-identified application, an application was filed in another country, or under a multinational international treaty (e.g., filed under the Patent Cooperation Treaty), that requires publication of applications eighteen months after filing. The filing date of the subsequently-filed foreign or international application is June 21, 2001.

[Page 1 of 2]

This collection of information is required by 37 CFR 1.137. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

09/15/2004 WABDELRI 00000011 503143 09603310  
01 FC:2453 10.00 DA 655.00 OP

STATEMENT: The entire delay in filing the required notice of a foreign or international filing from the due date for the required notice until the filing of a grantable petition under 37 CFR 1.137(b) was unintentional.

[NOTE. The United States Patent and Trademark Office may require additional information if there is a question as to whether either the abandonment or the delay in filing a petition under 37 CFR 1.137(b) was unintentional (MPEP 711.03(c), subsections (III)(C) and (D))].

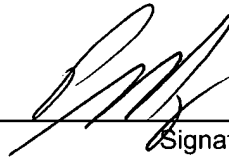
**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

September 9, 2004

Date

Telephone

Number: 760-607-0844



Signature

Peter R. Martinez

Typed or printed name

1969 Kellogg Avenue

Address

Carlsbad, CA 92008

Address

Enclosures: ☒ Fee Payment

☐ Additional sheets containing statements establishing unintentional delay

☒ Other: Fee Transmittal (PTO/SB/17), Transmittal (PTO/SB/21), Return Postcard

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being:

☒ deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

☐ transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) 872-9306.

September 9, 2004

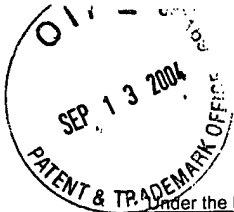
Date



Signature

Peter R. Martinez

Type or printed name of person signing certificate



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 655.00

## Complete if Known

Application Number 09/603,310

Filing Date June 21, 2000

First Named Inventor Carlton Sparre

Examiner Name Thein D Tran

Art Unit 2665

Attorney Docket No. 010-42

RECEIVED

SEP 16 2004

OFFICE OF PETITIONS

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit  
Account  
Number  
Deposit  
Account  
Name

503143

Pulse~LINK, Inc.

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any fee(s) due during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$ )

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Extra Claims	Fee from below	Fee Paid
Total Claims	-20** =	9	
Independent Claims	-3** =	43	
Multiple Dependent			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ )

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	
Other fee (specify) Petition under 37 CFR 1.137(f)			655.00

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 655.00

## SUBMITTED BY

(Complete if applicable)

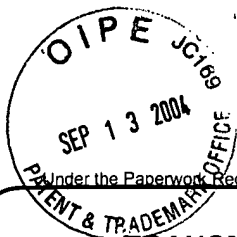
Name (Print/Type) Peter R. Martinez Registration No. 42,845 Telephone 760-607-0844

Signature Date September 9, 2004

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/603,310
	Filing Date	June 21, 2000
	First Named Inventor	Carlton Sparrell
	Art Unit	2665
	Examiner Name	Thien D Tran
Total Number of Pages in This Submission	Attorney Docket Number	010-42

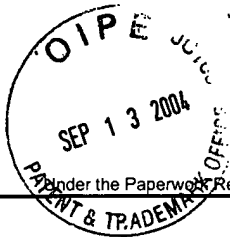
**RECEIVED**  
SEP 16 2004  
OFFICE OF PETITIONS

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input checked="" type="checkbox"/> Dep. Acc. Authorization	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Appendix	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Ext. of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below):
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Request for Refund	<b>Return Receipt Postcard</b> <b>PTO/SB/64a &amp; PTO/SB/96</b>
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	<b>The Commissioner is hereby authorized to charge any additional fees due in connection with this submission to Deposit Account 50-3143, in the name of Pulse~LINK, Inc.</b>	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>		
Firm or Individual name	Peter R. Martinez, Reg. No.: 42,845	
Signature		
Date	September 9, 2004	

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
Typed or printed name	Peter R. Martinez	
Signature		Date
		September 9, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



RECEIVED

**STATEMENT UNDER 37 CFR 3.73(b)**

SEP 16 2004

OFFICE OF PETITIONS

Applicant/Patent Owner: Pulse-LINK, Inc.

Application No./Patent No.: 09/603,310 Filed/Issue Date: June 21, 2000

Entitled: WIRELESS TDMA SYSTEM AND METHOD FOR NETWORK COMMUNICATIONS

Pulse-LINK, Inc., a Delaware Corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Inventors To: Fantasma Networks, Inc.  
The document was recorded in the United States Patent and Trademark Office at Reel 011088, Frame 0977, or for which a copy thereof is attached.
2. From: Fantasma Networks, Inc. To: Sherwood Partners, Inc.  
The document was recorded in the United States Patent and Trademark Office at Reel 012792, Frame 0640, or for which a copy thereof is attached.
3. From: Sherwood Partners, Inc. To: Pulse-LINK, Inc.  
The document was recorded in the United States Patent and Trademark Office at Reel 013331, Frame 0206, or for which a copy thereof is attached.

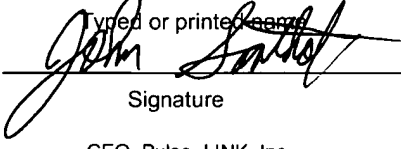
☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

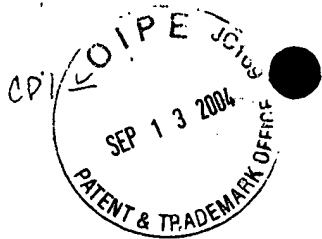
The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

September 9, 2004  
Date  
760-607-0844  
Telephone number

John Santhoff  
Typed or printed name  
  
Signature  
CEO, Pulse-LINK, Inc.  
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



2010-42  
P2105-010

**UNITED STATES DEPARTMENT OF COMMERCE**  
**Patent and Trademark Office**  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

NOVEMBER 09, 2000

PTAS

SIERRA PATENT GROUP, LTD.  
TERI MUIR  
P.O. BOX 6149  
STATELINE, NV 89449



**RECEIVED**

SEP 16 2004

**OFFICE OF PETITIONS**

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/05/2000

REEL/FRAME: 011088/0977  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SPARRELL, CARLTON

DOC DATE: 08/23/2000

ASSIGNOR:

AIELLO, ROBERTO

DOC DATE: 08/23/2000

ASSIGNOR:

ROGERSON, GERALD

DOC DATE: 08/23/2000

ASSIGNOR:

HO, MINNIE

DOC DATE: 08/23/2000

ASSIGNEE:

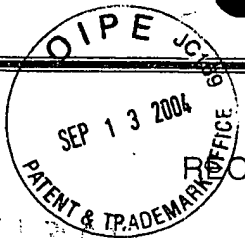
FANTASMA NETWORKS  
3250 ASH STREET  
PALO ALTO, CALIFORNIA 94308

SERIAL NUMBER: 09603310  
PATENT NUMBER:

FILING DATE: 06/21/2000  
ISSUE DATE:

011088/0977 PAGE 2

TARA WASHINGTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



09-25-2000

101469730  
PATENTS ONLYU.S. Department of Commerce  
Patent and Trademark Office

ET

9.500

To the Honorable Assistant Commissioner for Patents: Please record the attached original documents or copy thereof

## 1. Names of conveying party(ies)

Carlton Sparrell, Roberto Aiello,  
Gerald Rogerson and Minnie Ho

## 2. Name and address of receiving party(ies)

Name: Fantasma Networks,

Internal Address: \_\_\_\_\_

Additional names (s) of conveying party(ies) attached ( ) yes (X) no

## 3. Nature of conveyance:

- (X) Assignment ( ) Merger  
 ( ) Security Agreement ( ) Change of Name  
 ( ) Other \_\_\_\_\_

Street Address: 3250 Ash StreetCity: Palo Alto State: CA Zip: 94308Execution Date: August 23, 2000

Additional names (s) &amp; address(es) attached? ( ) Yes (X) No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of application is \_\_\_\_\_

A. Patent Application No.(s)

09/603,310

B. Patent No.(s)

Additional numbers attached? ( ) Yes (X) No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Sierra Patent Group, Ltd.

Internal Address: \_\_\_\_\_

Address: P.O. Box 6149City: Stateline State: NV Zip: 89449

6. Total number of applications and patents involved: \_\_\_\_\_

7. Total fee (37CFR 3.41).....\$40.00

(X) Enclosed

( ) Authorized to be charged to deposit account

8. Deposit account Number: 50-0612

(Attached duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Teri Muir

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and documents 5

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents, Box Assignment, Washington, D.C. 20231



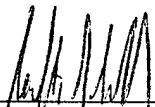
## ASSIGNMENT

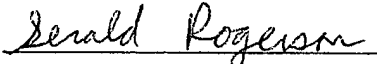
WHEREAS, we, Carlton J. Sparrell, a citizen of the United States, residing at 2100 Oberlin Street, Palo Alto, California 94306, Roberto Aiello, a citizen of Italy, residing at 470 Alger Drive, Palo Alto, California 94306, Gerald Rogerson, a citizen of the United States, residing at 2204 Hermosa Court, Morgan Hill, California 95037 and Minnie Ho, a citizen of the United State, residing at 3427 Thomas Drive, Palo Alto, California 94303, have invented a "**WIRELESS TDMA SYSTEM AND METHOD FOR NETWORK COMMUNICATIONS**" for which we have executed application papers for a U.S. patent thereon, which was filed on June 21, 2000, serial No. not yet assigned; and

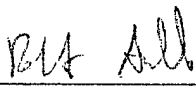
WHEREAS, Fantasma Networks, a Delaware corporation, having a place of business at 3250 Ash Street Palo Alto, California 94308, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefore in the United States of America and its territories and possessions, and all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we, Carlton Sparrell, Roberto Aiello, Gerald Rogerson and Minnie Ho, do sell, assign, transfer and set over unto the said Fantasma Networks, its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all Letters Patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to Fantasma Networks, its successors and assigns, in accordance with this Assignment.

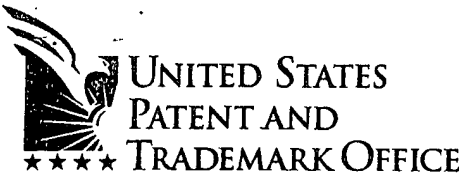
WITNESS OUR HAND at Palo Alto, California, this 23rd day of August, 2000.

  
Carlton Sparrell

  
Gerald Rogerson

  
Roberto Aiello

  
Minnie Ho



CR15

010-42

JUNE 13, 2002

PTAS

Chief Information Officer  
Washington, DC 20231  
www.uspto.gov

SIERRA PATENT GROUP, LTD.  
STEPHANIE DAVIS  
PO BOX 6149  
STATELINE, NV 89449



\*102060052A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/09/2002

REEL/FRAME: 012792/0640  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

FANTASMA NETWORKS, INC.

DOC DATE: 04/17/2001

ASSIGNEE:

SHERWOOD PARTNERS, INC.  
1849 SAWTELLE BLVD.  
SUITE 543  
LOS ANGELES, CALIFORNIA 90025

SERIAL NUMBER: 09603310  
PATENT NUMBER:

FILING DATE: 06/21/2000  
ISSUE DATE:

JEEVON JONES, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

ASSIGNMENT OF PATENTS

This Assignment granted as of the 17th day of April, 2001, by FANTASMA NETWORKS, INC., a Delaware Corporation ("Assignor") to SHERWOOD PARTNERS, INC., a California corporation ("Assignee"), as follows:

WHEREAS, the Assignor wishes to assign all of its right, title and interest in and to certain U.S. patent registrations and patent applications (collectively, the "Patents") as more particularly set forth on Schedule A attached hereto to the Assignee and to assign all of Assignor's liens, claims and encumbrances respecting the Patents (collectively, the "Rights").

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, the Assignor hereby assigns transfers and delivers its entire right, title and interest, including all rights of action and damages for past infringement, in and to the Patents and the Rights, together with the registration of such of said Patents as are registered the same to be held and enjoyed by Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns, licensees or other legal representatives.

IN WITNESS WHEREOF, the undersigned, by and through this instrument to be executed on the date first written above.

FANTASMA NETWORKS, INC.  
a Delaware Corporation  
("Assignor")

By: J. C. B. 2

Title: VP Finance & Administration

SHERWOOD PARTNERS, INC.  
a California corporation  
("Assignee")

By: \_\_\_\_\_

Title: \_\_\_\_\_

SEP 13 2004



F

04-18-2002



102060052

U.S. Department of Commerce  
Patent and Trademark Office

HEET

To the Honorable Assistant Commissioner for Patents: Please record the attached original documents or copy thereof

## 1. Names of conveying party

Fantasma Networks, Inc.

4-9-02

## 2. Name and address of receiving party

Name: Sherwood Partners, Inc.

Internal Address: \_\_\_\_\_

Street Address: 1849 Sawtelle Blvd, Suite 543City: Los Angeles State: CA Zip: 90025

Additional names (s) &amp; address(es) attached? ( ) Yes ( ) No

Additional names (s) of conveying party(ies) attached ( ) yes (X) no

## 3. Nature of conveyance:

- (X) Assignment ( ) Merger  
 ( ) Security Agreement ( ) Change of Name  
 ( ) Other \_\_\_\_\_

Execution Date: April 17, 2001

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of application is

A. Patent Application No.(s)

B. Patent No.(s)

09/603,310

Additional numbers attached? ( ) Yes (X) No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Sierra Patent Group, Ltd.

Internal Address: \_\_\_\_\_

Address: P.O. Box 6149City: Stateline State: NV Zip: 89449

7. Total fee (37CFR 3.41).....\$40.00

(X) Enclosed

( ) Authorized to be charged to deposit account

8. Deposit account Number: 50-0612

(Attached duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Stephanie Davis

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and documents 3

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents, Box Assignment, Washington, D.C. 20231

4/17/2002 TDIAT1 00000213 09603310

1 FC:581

40.00 DP

OFFICE OF RECEIVED RECORDS  
2002 APR -9 AM 3:11  
FINANCE SECTION

BEST AVAILABLE COPY

Legal Firm

Sierra Patent Group, Ltd.

Your Ref # Interval Ref #

Application Title

Serial #

1	Antenna Comprising Two Separate Wideband Notch Regions on One Coplanar Substrate	09/384,952
2	BASEBAND WIRELESS NETWORK FOR ISOCRONOUS COMMUNICATION	09/393,126
3	PULSE SHAPING FOR A BASEBAND WIRELESS TRANSMITTER	09/408,414
4	BASE BAND RECEIVER APPARATUS AND METHOD	09/493,520
5	MEDIUM ACCESS CONTROL PROTOCOL FOR CENTRALIZED WIRELESS NETWORK COMMUNICATION	09/393,121
6+	(PROVISIONAL)	60/165,360
7	FREQUENCY HOPPING FOR BASEBAND TRANSMITTERS	09/393,040
8	AN APPARATUS AND METHOD FOR MANAGING VARIABLE-SIZED DATA SLOTS WITHIN A TIME DIVISION	09/393,122
9	AN APPARATUS AND METHOD FOR MANAGING VARIABLE-SIZED DATA SLOTS WITH TIMESTAMP	09/480,837
10	WIRELESS TDMA SYSTEM AND METHOD FOR NETWORK COMMUNICATIONS	09/603,310
11	SYSTEM AND METHOD FOR OPTIMIZING NETWORK COMMUNICATIONS IN AN ULTRA WIDE BAND	09/599,973
12	ULTRA WIDE BAND TRANSMITTER	09/699,969
13	ULTRA WIDE BAND BASE RECEIVER	09/599,968
14	ANTENNA COMPRISING TWO WIDEBAND NOTCH REGIONS ON ONE COPLANAR SUBSTRATE	09/692,906
15	ULTRA-WIDE BAND COMMUNICATION SYSTEM WITH AMPLITUDE MODULATION AND TIME	
16	Detecting an Ultra Wide Band Transmitter	
17	Link Adaptation and Receiver Calibration	
18	Peak Detector for Recovering Data	
19	Message Forwarding with Symmetric Encryption	
20	Maintaining isochronous clocks in a wireless network	
21	Compensation for a Narrow Band Interferer	

Any PCT or foreign applications that fall under the US cases that are listed above, our file number will also be the reference for those cases.

If you note any discrepancies in our information please notify Jennifer Gibbs, JSG@sierrapct.com



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE



35201-72

CPW

JANUARY 06, 2003

PTAS

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov

SIERRA PATENT GROUP, LTD.  
WILLIAM P. WILBAR  
P.O. BOX 6149  
STATELINE, NV 89449



\*102238048A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/25/2002

REEL/FRAME: 013331/0206  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SHERWOOD PARTNERS, INC.

DOC DATE: 05/09/2001

ASSIGNEE:

PULSE LINK, INC.  
9155 BROWN DEER RD, #8  
SAN DIEGO, CALIFORNIA 92121

SERIAL NUMBER: 09603310

FILING DATE: 06/21/2000

PATENT NUMBER:

ISSUE DATE:

ANTIONE ROYALL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

ASSIGNMENT OF PATENTS

This Assignment granted on this 9th day of May, 2001, by SHERWOOD PARTNERS, INC., a California Corporation ("Assignor") to PULSE-LINK, INC., a Delaware corporation ("Assignee"), as follows:

WHEREAS, the Assignor wishes to assign all of its right, title and interest in and to certain U.S. patent registrations and patent applications (collectively, the "Patents") as more particularly set forth on Schedule A attached hereto to the Assignee and to assign all of Assignor's liens, claims and encumbrances respecting the Patents (collectively, the "Rights").

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, the Assignor hereby assigns transfers and delivers its entire right, title and interest, including all rights of action and damages for past infringement, in and to the Patents and the Rights, together with the registration of such of said Patents as are registered the same to be held and enjoyed by Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns, licensees or other legal representatives.

IN WITNESS WHEREOF, the undersigned, by and through this instrument to be executed on the date first written above.

SHERWOOD PARTNERS, INC.  
a California Corporation  
("Assignor")

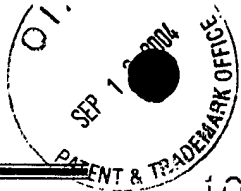
By: 6

Title: \_\_\_\_\_

PULSE-LINK, INC.  
a Delaware corporation  
("Assignee")

By: \_\_\_\_\_

Title: \_\_\_\_\_



10-02-2002

Docket No.: PLNK-010

U.S. Department of Commerce  
Patent and Trademark Office

SHEET

102238048

To the Honorable Assistant Commissioner for Patents: Please record the attached original documents or copy thereof

1. Names of conveying party(ies)  
SHERWOOD PARTNERS, INC.

2. Name and address of receiving party(ies)

9-30-02

Name: PULSE LINK, INC

Internal Address: \_\_\_\_\_

Additional names (s) of conveying party(ies) attached ( ) yes ( ) no

3. Nature of conveyance:

(X) Assignment ( ) Merger  
 ( ) Security Agreement ( ) Change of Name  
 ( ) Other \_\_\_\_\_

Street Address: 9155 Brown Deer RD. #8City: San Diego State: CA Zip: 92121Execution Date: May 9, 2001

Additional names (s) &amp; address(es) attached? ( ) Yes ( ) No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of application is \_\_\_\_\_

A. Patent Application No.(s)

09/603,310

B. Patent No.(s)

Additional numbers attached? ( ) Yes (X) No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Sierra Patent Group, Ltd.

Internal Address: \_\_\_\_\_

7. Total fee (37CFR 3.41).....\$40.00

(X) Enclosed

( ) Authorized to be charged to deposit account

8. Deposit account Number: 50-0612Address: P.O. Box 6149City: Stateline State: NV Zip: 89449

(Attached duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

William P. Wilbar

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and documents 5

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents, Box Assignment, Washington, D.C. 20231

07/02/2002 T01A21 00000008 09603310

1 FC:581

40.00 DP



SEP 13 2004  
PATERA 310  
TRADE MARK OFFICE 277

03/21/2002 13:16  
03/18/2002 11:21 FAX

SHERWOOD PARTNERS INC  
SULMEYER, KUPETZ, ETAL

007  
006

05/03/01 THU 18:16 FAX 8502308606

PANTASMA NETWORKS

002

Legal Firm  
**Sierra Patent Group, Ltd.**  
Your Ref # Interval Ref. #

Application Title

Serial #

1	Antenna Comprising Two Separate Wideband Notch Regions on One Coplanar Substrate	09/384,952
2	BASEBAND WIRELESS NETWORK FOR ISOCRONOUS COMMUNICATION	09/393,126
3	PULSE SHAPING FOR A BASEBAND WIRELESS TRANSMITTER	09/408,414
4	BASE BAND RECEIVER APPARATUS AND METHOD	09/433,620
5	MEDIUM ACCESS CONTROL PROTOCOL FOR CENTRALIZED WIRELESS NETWORK COMMUNICATION	09/393,121
6+	(PROVISIONAL)	60/165,360
7	FREQUENCY HOPPING FOR BASEBAND TRANSMITTERS	09/393,040
8	AN APPARATUS AND METHOD FOR MANAGING VARIABLE-SIZED DATA SLOTS WITHIN A TIME DIVISION	09/393,122
9	AN APPARATUS AND METHOD FOR MANAGING VARIABLE-SIZED DATA SLOTS WITH TIMESTAMP	09/480,897
10	WIRELESS TDMA SYSTEM AND METHOD FOR NETWORK COMMUNICATIONS	09/603,310
11	SYSTEM AND METHOD FOR OPTIMIZING NETWORK COMMUNICATIONS IN AN ULTRA WIDE BAND	09/599,973
12	ULTRA WIDE BAND TRANSMITTER	09/599,969
13	ULTRA WIDE BAND BASE BAND RECEIVER	09/599,968
14	ANTENNA COMPRISING TWO WIDEBAND NOTCH REGIONS ON ONE COPLANAR SUBSTRATE	09/692,806
15	ULTRA-WIDE BAND COMMUNICATION SYSTEM WITH AMPLITUDE MODULATION AND TIME	
16	Detecting an Ultra Wide Band Transmitter	
17	Link Adaptation and Receiver Calibration	
18	Peak Detector for Recovering Data	
19	Message Forwarding with Symmetric Encryption	
20	Maintaining Isynchronous clocks in a wireless network	
21	Compensation for a Narrow Band Interferer	

Any PCT or foreign applications that fall under the US cases that are listed above, our file number will also be the reference for those cases.  
If you note any discrepancies in our information, please notify Jennifer Zilbas (650) 842-8195.

03/21/2002 13:17 FAX 310 477  
03/18/2002 11:21 FAX

SHERWOOD PARTNERS INC  
SULMEYER, KUPETZ, ETAL

☒ 008  
☒ 007

05/03/01 THU 18:16 FAX 6502306605

FANTASMA NETWORKS

☒ 003

Legal Firm

Your Ref #

Interval Ref. #

Application Title

Serial #

	22	Quadrature Amplitude Modulation in a UWB system	
--	----	---	--

Any PCT or foreign applications that fall under the US cases that are listed above, our file number will also be the reference for those cases.  
If you note any discrepancies in our information, please notify Jennifer Zithas (650) 842-6195.